SIEMENS

Gigaset AS280 / AS285

Environmental Product Declaration according to ISO 14021

CORDLESS HOME COMMUNICATION Gigaset

1 Our environmental mission

We at Gigaset Communications GmbH* have a responsibility to society. Our convictions make us dedicated to help create a better world. We demonstrate this through our ideas, technologies and actions that serve people, society and the environment. Moreover, the goal of our worldwide activities is to safeguard the foundations of human life. We acknowledge our responsibility for our products over their entire lifecycle. The impact of our products on the environment is assessed in product and process planning, during which we take production, procurement, sales, usage, service and disposal into account.

2 Manufacturer

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Registered offices of the company: Munich

Commercial register: HR A 86401 (Munich Local Court)
VAT reg. no.: DE 814469745
Tax number: 146/636/25500
WEEE reg. no.: DE 47474747

More information is available at:
http://gigaset.com

3 Environmental management system

Gigaset Communications GmbH is certified
according to the quality standards EN ISO 14001 and ISO 9001.

ISO 14001 (Environment), certified since September 2007 by TüV SÜD Management Service GmbH
ISO 9001 (Quality), certified since February 17, 1994 by TüV SÜD Management Service GmbH

* Gigaset Communications GmbH is a trademark licensee of Siemens AG.

4 Product description

Gigaset AS280/AS285

The Gigaset AS280 and AS285 make your phone conversations truly convenient with the hands-free function. Enjoy brilliant sound quality thanks to the innovative HSP™ technology during hours and hours of talking: the Gigaset AS280 and AS285 feature a long talk time of up to 25 hours and a standby time of up to 210 hours. With a phonebook for up to 80 entries, you can easily store the details of all those who are important to you. And with a list of the last 25 missed calls including time and date, you always know who has tried to reach you. Even better, if someone wants to leave a message when you're out, the Gigaset AS285 has a fully integrated answering machine with 12 minutes recording time. If you want to boost the convenience, the Gigaset AS280 and AS285 are also expandable to up to four handsets. The high-quality choice for making comfortable calls: the Gigaset AS280 and AS285 are perfect for those looking for hands-free convenience without sound quality restriction.

Product details

Device	Gigaset AS280/AS285
Usage	Analog connection / private branch exchanges
Standards	DECT, GAP

- Cordless analog phone, with/without answering machine
- Hands-free talking in brilliant sound quality with HSP™
- Indoor range up to 50 m, outdoor range up to 300 m
- Standby time 210 hours, talk time up to 25 hours
- Phonebook for up to 80 entries
- Illuminated b/w display and illuminated amber keypad
- Caller indentification via CLIP[1]
- Missed call list with last 25 calls
- ECO DECT for up to 60% less energy consumption[2]
- Gigaset AS285: integrated answering machine with up to 12 minutes recording time

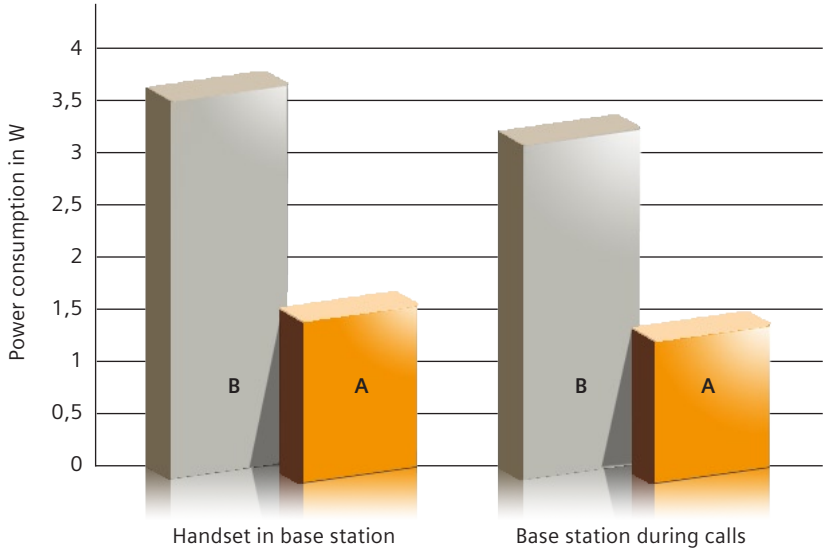
1] Dependent on country/network/operator
2] In comparison to our conventional cordless phones

5 Ecological power use – ECO DECT in the Gigaset AS280 / AS285

ECO DECT saves energy and makes an active contribution to environmental protection. ECO DECT addresses the following points:

Switched-mode versus conventional power supply

1. The use of switched-mode power supplies (A) in the base station cuts consumption by up to 60% compared to conventional power supply units (B).



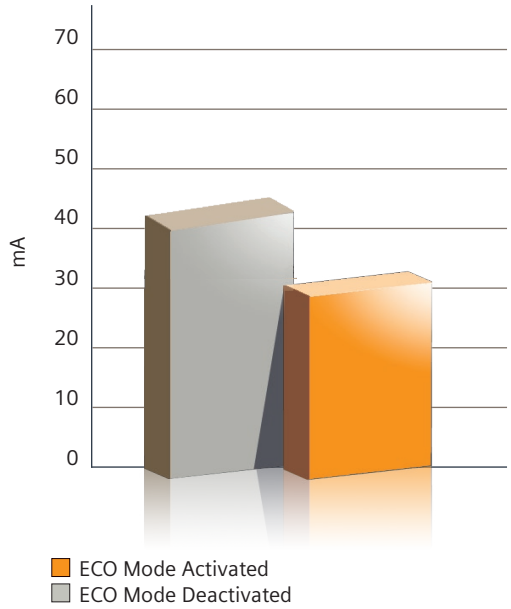
Phone use averaging one hour per day results in a yearly savings of approximately 18 kWh.

2. The new ECO DECT function complements this adjustment: the transmission power of the handset and base station in idle mode are automatically reduced to zero if the handset is in the base station and only one handset has been registered.

3. If customers select “ECO Mode”, they can also manually reduce the transmission power of the base station and handset by 80%; in “ECO Mode Plus” the transmission power in standby can be reduced by 100%.

   Also, the handset’s power consumption can be cut by 31%, thereby increasing talk time by 45%. However, this reduces the range to about half the distance.

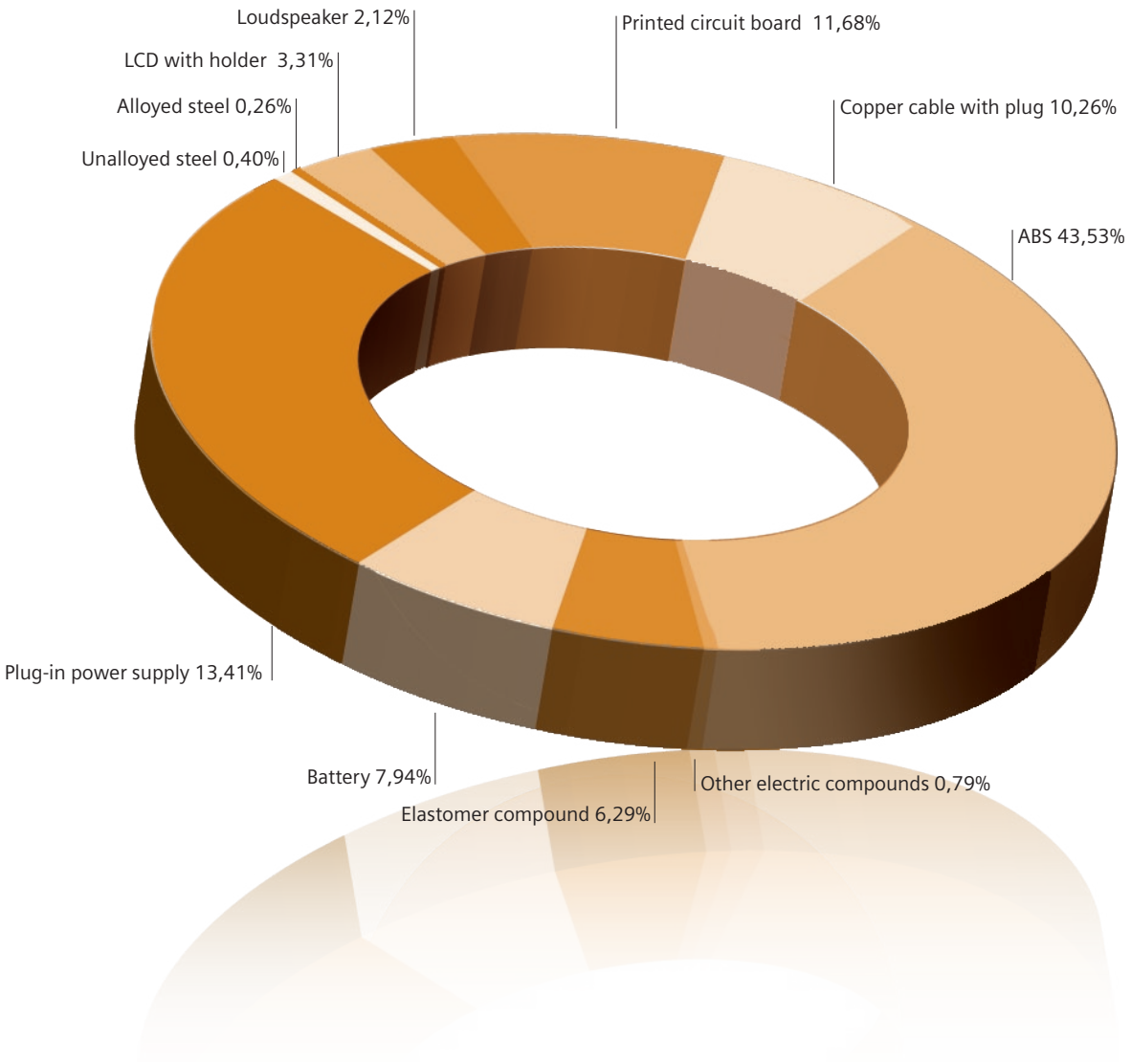
Power reduction for handset



4. For many years, Gigaset DECT handsets have enabled the automatic adjustment of transmission power – depending on the distance to the base station. For example, transmission power is reduced by approximately 80% at a distance of up to five meters.

6 Environmental protection begins in the product creation phase

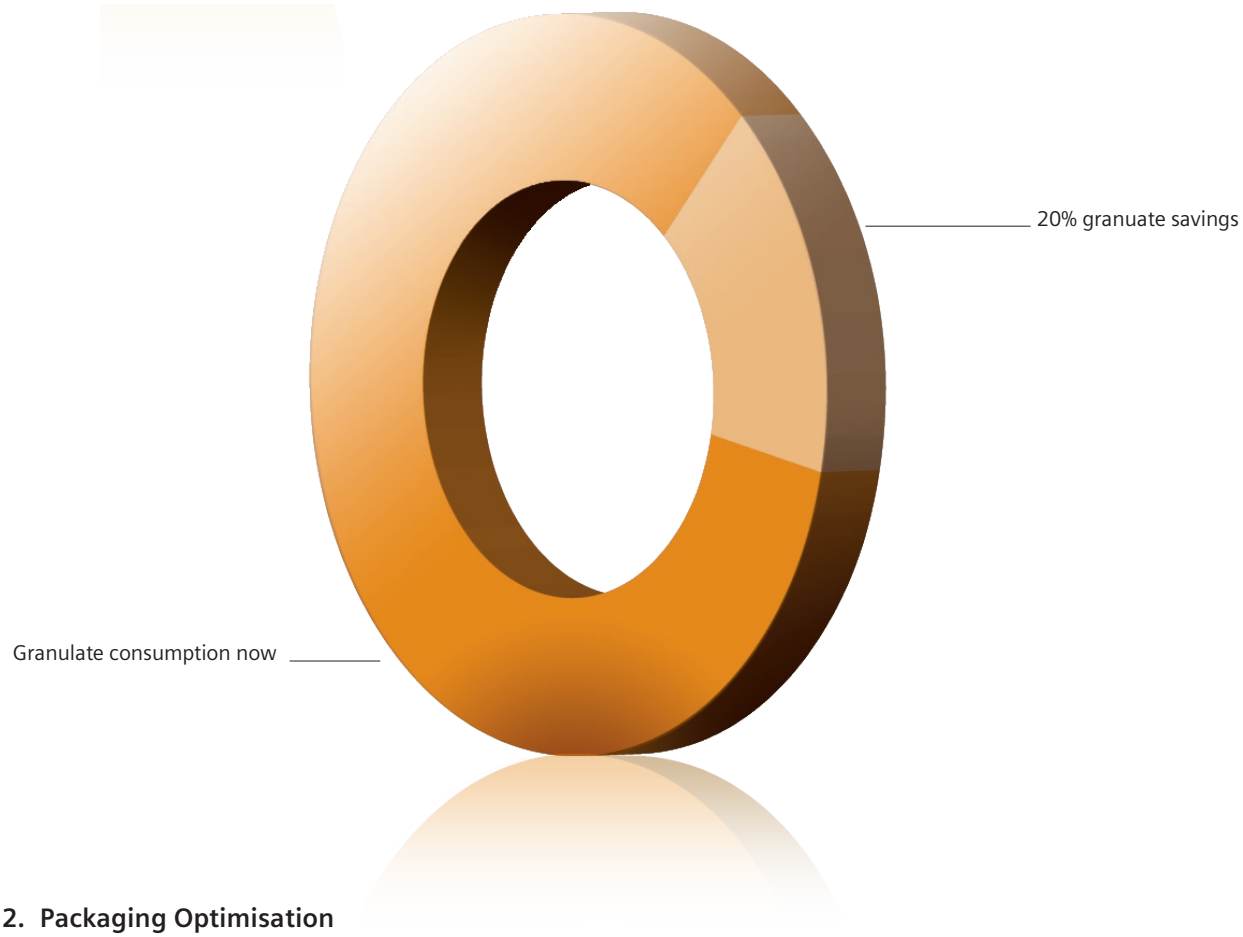
Gigaset AS28H handset + AS280 base station



7 Material savings

1. **Thin-wall technology**
   Over the last few years, thin-wall technology has been successfully implemented in phone cases. During this time, wall thicknesses have been reduced from 2.5 mm to 2.3 mm and now average about 1.8 - 2 mm. This corresponds to a granulate savings of more than 20%, without sacrificing mechanical stability or robustness.

Granulate savings with thin-wall technology



2. **Packaging Optimisation**
   The size and weight of the packaging has been optimised to be in accordance with shipping standards. The primarily aims of this is to reduce transportation costs for the entire product portfolio.

   The basic purpose of primary packaging is to protect the product. Drop and continuous shock testing (simulating transportation) are required. We use LD-PE film to protect the surfaces of certain parts, as well as 100% recycled corrugated cardboard as packing material. Film usually accounts for around 4% of the total packaging. Both the film and cardboard can be recycled.

8 Manufacturing

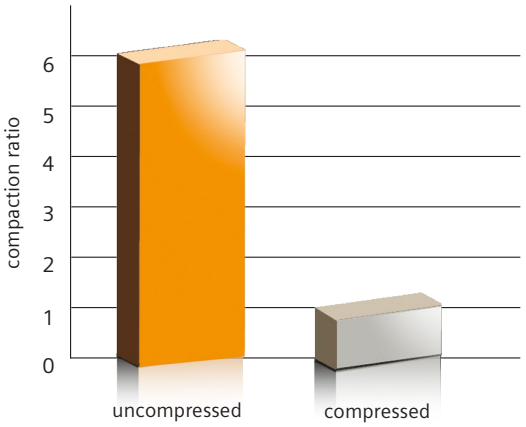
1. **Environmental requirements**
   The Gigaset AS280 and AS285 are manufactured exclusively in Germany. Gigaset Communications attaches prime importance to compliance with all relevant laws and regulations. Through its management system and environmental performance Gigaset Communications is able to meet these requirements and continues to improve. It goes without saying that Gigaset Communications also respects all local environmental requirements.

2. **Effects of automation**
   The high degree of automation in Gigaset Communications production processes has a limited impact on the environment through energy saving and efficient machine utilization. For example, the electronic circuit board of these devices is produced solely on a production line with a cycle time under 6 seconds and an efficiency greater than 75%.

3. **Manufacturing concepts**
   Gigaset Communications believes in a short feedback path for testing. All process parameters are controlled cyclically so that any problems can be detected promptly (before they arise) and nonconformance is minimized. Every step in the value chain is checked separately to help identify potential errors at an early stage. Process controls and short feedback paths for testing therefore minimize material waste (components and process aids). Rejects are continuously monitored with the goal of achieving a rate of less than 1%.

4. **Refuse disposal**
   Packaging material and electronic scrap are strictly separated in “environmental islands” at Gigaset Communications production facilities and recycled by local service providers. To reduce volume, the individual materials are compacted by roller presses. The compaction ratio for cardboard boxes is, for example, 6:1. This enables more efficient transportation of around 800 tons of cardboard per year.

5. **Work safety**
   Gigaset Communications is especially committed to protecting the health and safety of its manufacturing employees. This is why Gigaset Communications takes such great care to protect its employees at their workplace. This includes steps such as responsible management, instruction, sensitization and process engineering, prevention of and planning for emergencies, systematic investigation into the causes of accidents, quick availability of medical aid, documentation, regular reporting and continuous improvement.

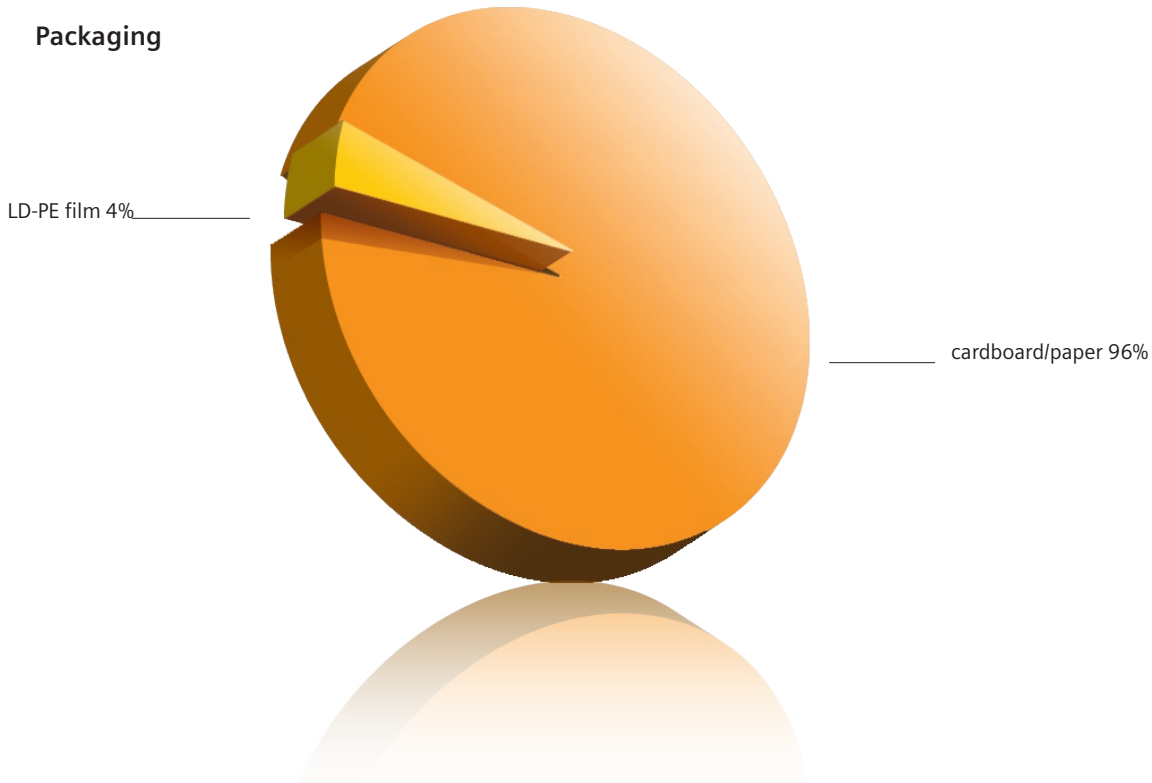


9 Transport packaging

All suppliers of packaging to Gigaset Communications GmbH are members of RESY (Organisation für Wertstoff-Entsorgung GmbH). RESY, an organization for the disposal of valuable materials, was established in light of the German Packaging Ordinance.
This ensures the return and recycling of paper and cardboard packaging used in transportation within Germany.

Each user is given a four-digit ID that, along with the RESY symbol, must be printed clearly and visibly on paper and cardboard transport packaging.

All secondary packaging has the RESY symbol on it to indicate that the specifications of the Packaging Ordinance for transport packaging have been met.



10 Distribution

When goods are shipped to the customer, they are consolidated regionally at the Siemens AG level and then distributed as part of the IDS network. As a result, the cargo space in each means of transport is optimized.

The Siemens Logistics Network (SLogN) is the basis for the efficient and secure movement of goods. The core of this transport network is a pool of highly qualified service providers who offer the best prices and performance thanks to the pooling of Siemens-wide needs.

The use of transportation resources is being optimized by continuing improvements in the size of product packaging. The packaging units of our suppliers are optimized ahead of procurement to ensure the means of transport is fully loaded (e.g. containers in the case of sea freight).

In overseas logistics chains, we try to ensure that marine transport is used as frequently as possible. Transportation of goods by rail or inland waterway is preferred over trucks because it reduces emissions by 50%. Air freight for transporting goods internationally is the exception and out of principle shipment by sea has priority.

11 Disposal

Our takeback concept
In accordance with European directives on the disposal of electrical waste and electronic equipment (2002/96/EC), packaging (94/62/EC) and batteries (2006/66/EC), these waste materials may not be thrown away as domestic refuse. The relevant national statutory regulations must be observed and the waste must be disposed of via the approved channels.

12 Our service concept

In case of
If a device should ever prove faulty, it is not replaced by a new one but repaired and returned free of defects to the customer. This concept has significant advantages. When devices are replaced by previously repaired products, the law requires that cosmetic parts, such as cradles, receiver insets or microphones, are also replaced. Our service concept eliminates this, which saves materials and resources.

This product environmental statement is not a warranty for the qualities of a product. It also does not warrant that the product retains a specific quality for a specific length of time. It is for information purposes only. We reserve the right to modify product design and specifications without prior notice. Please contact your Siemens representative to get the latest information.

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